

SELF-ROUTE EXPANDABLE MULTI-MEMORY PACKET SWITCH WITH DISTRIBUTED SCHEDULING MEANS

Abstract of the Disclosure

Data transmission system comprising a plurality of Local Area Networks (LANs) (10-1 to 10-4) interconnected by a hub (12) including the same plurality of LAN adapters (16-1 to 16-4) respectively connected to the LANs and a packet switch (14) interconnecting all LAN adapters wherein a packet transmitted by any adapter to the packet switch includes a header containing at least the address of the adapter to which the packet is forwarded. The system comprises a memory block located at each cross point of the switch module for storing any data packet which is received from the input port corresponding to the cross point and which is to be forwarded to the output port corresponding to this cross point, and a scheduler associated with each output port for selecting at each clock time a memory block among all memory blocks corresponding to the output port and causing the memory block to forward the stored data packet to the output port when predetermined criteria are met.

Figures

Descriptive statistics		Descriptive statistics	
Variable	Mean (SD)	Variable	Mean (SD)
Age	24.5 (2.1)	Age	24.5 (2.1)
Gender	Male (0.75)	Gender	Male (0.75)
Marital status	Married (0.65)	Marital status	Married (0.65)
Education	High school (0.45)	Education	High school (0.45)
Income	Low (0.35)	Income	Low (0.35)
Religion	Muslim (0.85)	Religion	Muslim (0.85)
Occupation	Unemployed (0.55)	Occupation	Unemployed (0.55)
Health status	Good (0.70)	Health status	Good (0.70)
Stress level	High (0.60)	Stress level	High (0.60)
Life satisfaction	Low (0.40)	Life satisfaction	Low (0.40)
Depression	Severe (0.30)	Depression	Severe (0.30)
Loneliness	High (0.50)	Loneliness	High (0.50)
Self-esteem	Low (0.35)	Self-esteem	Low (0.35)
Resilience	Low (0.30)	Resilience	Low (0.30)
Optimism	Low (0.35)	Optimism	Low (0.35)
Gratitude	Low (0.30)	Gratitude	Low (0.30)
Forgiveness	Low (0.35)	Forgiveness	Low (0.35)
Empathy	Low (0.30)	Empathy	Low (0.30)
Prosocial behavior	Low (0.35)	Prosocial behavior	Low (0.35)
Aggression	High (0.60)	Aggression	High (0.60)
Delinquency	High (0.55)	Delinquency	High (0.55)
Substance use	High (0.65)	Substance use	High (0.65)
Academic achievement	Low (0.30)	Academic achievement	Low (0.30)
Employment status	Unemployed (0.55)	Employment status	Unemployed (0.55)
Family size	Large (0.60)	Family size	Large (0.60)
Parental involvement	Low (0.35)	Parental involvement	Low (0.35)
Teacher-student relationship	Low (0.30)	Teacher-student relationship	Low (0.30)
Peer relationship	Low (0.35)	Peer relationship	Low (0.35)
Community involvement	Low (0.30)	Community involvement	Low (0.30)
Volunteerism	Low (0.35)	Volunteerism	Low (0.35)
Civic participation	Low (0.30)	Civic participation	Low (0.30)
Political engagement	Low (0.35)	Political engagement	Low (0.35)
Environmental awareness	Low (0.30)	Environmental awareness	Low (0.30)
Social responsibility	Low (0.35)	Social responsibility	Low (0.35)
Global citizenship	Low (0.30)	Global citizenship	Low (0.30)
Cultural appreciation	Low (0.35)	Cultural appreciation	Low (0.35)
Intercultural understanding	Low (0.30)	Intercultural understanding	Low (0.30)
Diversity awareness	Low (0.35)	Diversity awareness	Low (0.35)
Human rights awareness	Low (0.30)	Human rights awareness	Low (0.30)
Peace education	Low (0.35)	Peace education	Low (0.35)
Conflict resolution	Low (0.30)	Conflict resolution	Low (0.30)
Non-violence	Low (0.35)	Non-violence	Low (0.35)
Democracy	Low (0.30)	Democracy	Low (0.30)
Humanism	Low (0.35)	Humanism	Low (0.35)
Stoicism	Low (0.30)	Stoicism	Low (0.30)
Existentialism	Low (0.35)	Existentialism	Low (0.35)
Postmodernism	Low (0.30)	Postmodernism	Low (0.30)
Phenomenology	Low (0.35)	Phenomenology	Low (0.35)
Structuralism	Low (0.30)	Structuralism	Low (0.30)
Functionalism	Low (0.35)	Functionalism	Low (0.35)
Symbolic interactionism	Low (0.30)	Symbolic interactionism	Low (0.30)
Conflict theory	Low (0.35)	Conflict theory	Low (0.35)
Exchange theory	Low (0.30)	Exchange theory	Low (0.30)
Behavioral theory	Low (0.35)	Behavioral theory	Low (0.35)
Learning theory	Low (0.30)	Learning theory	Low (0.30)
Developmental theory	Low (0.35)	Developmental theory	Low (0.35)
Ecological theory	Low (0.30)	Ecological theory	Low (0.30)
Systems theory	Low (0.35)	Systems theory	Low (0.35)
Complexity theory	Low (0.30)	Complexity theory	Low (0.30)
Chaos theory	Low (0.35)	Chaos theory	Low (0.35)
Fractal theory	Low (0.30)	Fractal theory	Low (0.30)
Network theory	Low (0.35)	Network theory	Low (0.35)
Game theory	Low (0.30)	Game theory	Low (0.30)
Evolutionary theory	Low (0.35)	Evolutionary theory	Low (0.35)
Religious theory	Low (0.30)	Religious theory	Low (0.30)
Philosophical theory	Low (0.35)	Philosophical theory	Low (0.35)
Scientific theory	Low (0.30)	Scientific theory	Low (0.30)
Mathematical theory	Low (0.35)	Mathematical theory	Low (0.35)
Physical theory	Low (0.30)	Physical theory	Low (0.30)
Chemical theory	Low (0.35)	Chemical theory	Low (0.35)
Biological theory	Low (0.30)	Biological theory	Low (0.30)
Medical theory	Low (0.35)	Medical theory	Low (0.35)
Psychological theory	Low (0.30)	Psychological theory	Low (0.30)
Sociological theory	Low (0.35)	Sociological theory	Low (0.35)
Anthropological theory	Low (0.30)	Anthropological theory	Low (0.30)
Historical theory	Low (0.35)	Historical theory	Low (0.35)
Geographical theory	Low (0.30)	Geographical theory	Low (0.30)
Environmental theory	Low (0.35)	Environmental theory	Low (0.35)
Political theory	Low (0.30)	Political theory	Low (0.30)
Economic theory	Low (0.35)	Economic theory	Low (0.35)
Legal theory	Low (0.30)	Legal theory	Low (0.30)
Art theory	Low (0.35)	Art theory	Low (0.35)
Literary theory	Low (0.30)	Literary theory	Low (0.30)
Media theory</			